

AFTER-SCHOOL PROGRAM EXPLORING SCIENCE (APEX)

The Museum has developed a hands-on science curriculum suitable for use by afterschool programs. The Museum provides training to headquarters staff and after-care providers at the YMCA, YWCA, and the Family Christian Association of America (FCAA), who in turn deliver after-care programming at 93 elementary schools in Miami-Dade County. The training prepares them to implement the hands-on science curriculum as part of their ongoing afterschool program. The Museum also works with Miami-Dade College and Florida International University to train pre-service teachers to deliver APEX programming in participating afterschool programs, meeting part of their field-service requirement in the process.

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Countywide

TARGET POPULATION

Gender: Male and Female Age: Children (6-12)

Special Population: Low Income; Nonprofit Organizations; Students; Trainees

ELIGIBILITY

Client Eligibility Requirements: School age participants in YMCA; YWCA; and FCAA programs

Geographic Criteria: Miami-Dade County

Economical/Financial Criteria: Low Income Other: N/A

COLLABORATIVE PARTNERS

Florida International University; Miami-Dade College; YMCA; YWCA; and the Family Christian Association of America

PROGRAM GOAL(S)

The goal of APEX is to create an afterschool training model that will enhance and increase opportunities for learning science at the same time promoting career pathways to science teaching.



	Quantity	Quality
Effort/ Output	Increase the capacity of afterschool CBO providers to engage children in hands-on investigative science learning opportunities Increase parental involvement in after school programs	* An independent evaluation of the project will be conducted by the Institute for Learning Innovation
Effort/ Outcome	* Project evaluation results will be made public and disseminated	* Findings are not yet available

FUNDING SOURCE(S)

Grant Funding: Yes

Funding Source: Federal

Matching Requirements: No Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$14,805	\$385,283	\$439,996	\$54,713
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$14,805	\$385,283	\$439,996	\$54,713
Expenditure Summary					
Salaries and Benefits	\$0	\$8,335	\$158,740	\$203,059	\$44,319
Services and Supplies	\$0	\$1,229	\$75,234	\$27,859	(\$47,375)
Contracted Service Providers	\$0	\$2,400	\$61,100	\$121,000	\$59,900
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$2,841	\$90,209	\$88,078	(\$2,131)
Total	\$0	\$14,805	\$385,283	\$439,996	\$54,713
Total Positions	0.00	5.00	5.00	9.00	4.00
Number of Children Served	0	0	4,500	4,500	0

Program under development in FY 03-04

CBO ACCESS

CBO Access to Funding Source: Yes

Funding Provided to CBOs Yes

CBO FUNDING

Organization	FY 04-05	FY 05-06
YWCA	\$5,000	\$5,000
Family Christian Association of America	\$5,000	\$5,000
Total	\$10,000	\$10,000



PROGRAM GOAL(S)

Museum of Science

BIO TRAC (BIOMEDICAL TRAINING, RESEARCH, AND COLLEGE PREP)

The program operates all year. During the academic year, participants have access to the Museum, computer lab and tutors, from Monday through Saturday. In addition, career awareness activities take place each Saturday. During the summer, a select group of students participate in a research internship at a University of Miami School of Medicine research laboratory. In the second phase of the project, the Museum disseminated "best practices" to other youth-serving professionals through two-day workshops in 2005.

Countywide			
TARGET POPULATION			
Gender:	Male and Female	Age:	Youth (13-18)
Special Population:	Education/Training; Low Income		
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Client Clientality Descriptments	Chudonto in grados 0.10		
Client Eligibility Requirements:	Students in grades 9-12		
Geographic Criteria:	Miami-Dade County		
Economical/Financial Criteria:	N/A	Other:	N/A
COLLABORATIVE PARTI	NERS		
University of Miami School of Me	edicine; Miami-Dade County Public Scho	ools; University	of Florida; and Florida A&M University
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The program is designed to provide high school students with exposure and awareness activities to careers and research in biomedical science with the goal of increasing the pipeline of students pursuing post-secondary education and careers in this field.



	Quantity	Quality
Effort/ Output	* 84 students participated in FY 03-04 * 77 students participated in FY 04-05	* 96% of high school participants entered college/university * 60% of participants chose a science as their academic major
	III. How Much Change	IV.Quality of Change
Effort/ Outcome	* Our success rate of students going on to college exceeds the success rates of our target high schools (Miami Edison, Miami Jackson, Booker T. Washington)	* To be developed

FUNDING SOURCE(S)

Grant Funding: Yes

Funding Source: Federal

Matching Requirements: No Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$241,239	\$270,801	\$286,837	\$379,050	\$92,213
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
Total	\$241,239	\$270,801	\$286,837	\$379,050	\$92,213
Expenditure Summary					
Salaries and Benefits	\$137,993	\$165,246	\$185,003	\$196,900	\$11,897
Services and Supplies	\$86,483	\$22,744	\$52,117	\$90,350	\$38,233
Contracted Service Providers	\$16,763	\$63,805	\$28,470	\$71,500	\$43,030
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$19,006	\$21,247	\$20,300	(\$947)
Total	\$241,239	\$270,801	\$286,837	\$379,050	\$92,213
Total Positions	17.00	17.00	17.00	19.00	2.00
Number of Children Served	69	84	77	95	18

Dollars allocated fund only a portion of staff positions

CBO ACCESS

CBO Access to Funding Source: No

Funding Provided to CBOs No



SERVICE AREA

Museum of Science

ELEMENTARY STEPS (STUDENT TEACHER ENHANCEMENT PROGRAM FOR SCIENCE)

The goal of this collaboration with Florida International University (FIU) and Miami Dade Public Schools is to explore the impact of adding a science museum to the professional development school model. The project includes a one-week summer institute for supervising teachers and student teachers, a two-week internship for student teachers in the Museum's summer camp, and field study and student teaching placements for student teachers. By utilizing the resources and expertise of museum science teacher educators and scientists, together with FIU education faculty, the project will strengthen supervising teachers' science content knowledge and pedagogy, while preparing future teachers to implement standards-based inquiry-oriented science instruction.

Countywide			
TARGET POPULATION			
Gender:	Male and Female	Age:	All Ages (0-18)
Special Population:	Education/Training		
ELIGIBILITY			
Client Eligibility Requirements:	Must be teaching in an FIU affiliated interi	n classroo	m (30 teachers and 30 student teachers)
Geographic Criteria:	N/A		
Economical/Financial Criteria:	N/A	Other:	N/A
COLLABORATIVE PARTI	NERS		
	rida International University; and an indepen	dent evalu	uator
PROGRAM GOAL(S)			

The program is designed to enhance school teachers' science skills so that student teachers will observe exemplary teaching and

learning models in areas of science instruction during their internships.



	Quantity I. What We Do	Quality
Effort/ Output	* Conduct scientific research on the project's "Program Model" * Impact post-secondary reform through modification of existing elementary science education	* An independent evaluation of the project will be conducted by Education Support Systems
	III. How Much Change	IV.Quality of Change
Effort/ Outcome	* This is a new project in 2005; at its completion, an independent evaluation will be prepared	* The findings are not yet available

FUNDING SOURCE(S)

Grant Funding: Yes

Funding Source: Federal

Matching Requirements: No Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$0	\$95,710	\$225,226	\$129,516
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$95,710	\$225,226	\$129,516
Expenditure Summary					
Salaries and Benefits	\$0	\$0	\$58,653	\$94,469	\$35,816
Services and Supplies	\$0	\$0	\$11,234	\$10,680	(\$554)
Contracted Services Providers	\$0	\$0	\$13,579	\$90,700	\$77,121
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$12,244	\$29,377	\$17,133
Total	\$0	\$0	\$95,710	\$225,226	\$129,516
Total Positions	0.00	0.00	5.00	5.00	0.00
Number of Children Served	0	0	23	23	0

New Program for FY 04-05

Dollars allocated fund only a portion of staff positions

Figures provided for number of children served reflect the number of teachers trained

CBO ACCESS

CBO Access to Funding Source: No

Funding Provided to CBOs No



SCHOOL GROUPS

School Groups is a fee-based, discounted admission program, designed to attract students in grades K-12 to the Museum of Science. The program is available to all schools in Miami-Dade, Broward, and Monroe Counties, and to out-of-state school groups.

SERVICE AREA

Broward County; Countywide; Monroe County; other states

TARGET POPULATION

Gender: Male and Female Age: All Ages (0-18)

Special Population: Abused, Abandoned, or Neglected Children; Disabled; Domestic Violence; Education/Training;

Health; Low Income; Single Parents

ELIGIBILITY

Client Eligibility Requirements: School students ages 3-18 are eligible for discounted admissions

Geographic Criteria: N/A

Economical/Financial Criteria: N/A Other: Fee

COLLABORATIVE PARTNERS

Miami-Dade County Public Schools and private organizations

PROGRAM GOAL(S)

To inspire students of all ages to learn science and to view and understand the world from a scientific point of view.



	Quantity I. What We Do	Quality
Effort/ Output	* Provide low-cost tours for school groups to the Museum and the Planetarium	* The tour format is user-friendly with interactive exhibits
	III. How Much Change	IV.Quality of Change
Effort/ Outcome	* Repeat visits by schools are frequent and consistent	* Science interpretation and the quality of learning is enhanced by tour-led groups

FUNDING SOURCE(S)

Grant Funding: No

Funding Source: Other; Miami-Dade County Public Schools (M-DCPS)

Matching Requirements: N/A Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$0	\$0	\$0	\$0
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other: MDCPS and Fees	\$122,319	\$144,500	\$159,000	\$180,500	\$21,500
Total	\$122,319	\$144,500	\$159,000	\$180,500	\$21,500
Expenditure Summary					
Salaries and Benefits	\$33,200	\$135,000	\$150,000	\$165,000	\$15,000
Services and Supplies	\$3,300	\$4,500	\$4,000	\$5,500	\$1,500
Contracted Service Providers	\$0	\$0	\$0	\$0	\$0
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$85,819	\$5,000	\$5,000	\$10,000	\$5,000
Total	\$122,319	\$144,500	\$159,000	\$180,500	\$21,500
Total Positions	16.00	18.00	20.00	22.00	2.00
Number of Children Served	60,000	54,802	49,191	60,000	10809

Operational fee-based program, the net of which provides funding for museum operational overhead and admission

Dollars allocated fund only a portion of staff positions

CBO ACCESS

CBO Access to Funding Source: Yes

Funding Provided to CBOs No

CBO's may request subsidized admission to the museum



SCIENCE SUMMER CAMP

Each summer the Museum conducts an eight-week program, providing a wide array of science and technology related classes for children ages 3-14. The classes are taught by certified teachers and are assisted by student teachers that are enrolled in a teacher preparation program at Florida International University and/or the University of Miami. This program has existed at the Museum for 40 years.

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Countywide

TARGET POPULATION

Gender: Male and Female Age: All Ages (0-18)

Special Population: Disabled; Education/Training; Low Income

ELIGIBILITY

Client Eligibility Requirements: Ages 3-14

Geographic Criteria: N/A

Economical/Financial Criteria: N/A Other: Fee of \$190 per week per child

COLLABORATIVE PARTNERS

University of Miami and Florida International University

PROGRAM GOAL(S)

The program is designed to peak children's interest in science by providing a range of classes that will introduce them to the impact of science in their everyday lives.



	Quantity I. What We Do	Quality II. How Well We Do It
Effort/ Output	* Provide eight weeks of classes to pre- kindergarten through 8th grade pertaining to science in our everyday life	* Over 3,000 children attended the summer camp in 2005 and most were repeat participants
	III. How Much Change	IV.Quality of Change
Effort/ Outcome	Individual projects were completed and students received recognition and awards Children and parents were impressed with their accomplishments	* Parents expressed satisfaction with their children's accomplishments and classes

FUNDING SOURCE(S)

Grant Funding: No

Funding Source: Private

Matching Requirements: N/A Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$0	\$0	\$0	\$0
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other: Fees and Donations	\$325,887	\$244,735	\$261,470	\$267,724	\$6,254
Total	\$325,887	\$244,735	\$261,470	\$267,724	\$6,254
Expenditure Summary					
Salaries and Benefits	\$185,931	\$142,353	\$141,991	\$148,437	\$6,446
Services and Supplies	\$74,671	\$56,838	\$61,014	\$56,087	(\$4,927)
Contracted Service Providers	\$65,285	\$45,544	\$58,465	\$63,200	\$4,735
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
Total	\$325,887	\$244,735	\$261,470	\$267,724	\$6,254
Total Positions	18.00	16.00	18.00	20.00	2.00
Number of Children Served	3,884	2,212	3,260	3,000	(260)

Operational fee-basded program, the net of which provides funding for Museum operational overhead and administration

Dollars allocated fund only a portion of staff positions

CBO ACCESS

CBO Access to Funding Source: No

Funding Provided to CBOs No



UPWARD BOUND

The program operates year round. During the academic year participants have access to the Museum's computer lab and tutors Monday through Saturday. In addition, science enrichment and college preparation activities take place each Saturday. During the summer, students participate in an intensive six-week marine science program for which they receive honors science credit in school.

SERVICE AREA		
Countywide		

TARGET POPULATION

Gender: Male and Female Age: Youth (13-18)

Special Population: Education/Training; Low Income

ELIGIBILITY

Client Eligibility Requirements: Students in grades 9-12, 2/3 of participants must be both low-income and first-generation college-

bound, and 1/3 of participants must meet one of these criteria

Geographic Criteria: N/A

Economical/Financial Criteria: Low income Other: N/A

COLLABORATIVE PARTNERS

University of Miami Rosenstiel School of Marine and Atmospheric Science and Miami-Dade County Public Schools

PROGRAM GOAL(S)

The program is designed to provide high school students from low-income backgrounds, who don't have a history of higher education in their families, with the ability to pursue postsecondary study in a science, technology, engineering, or mathematics (STEM) discipline.



	Quantity I. What We Do	Quality II. How Well We Do It
Effort/ Output	* Provide services to students to help them graduate from high school and enroll and graduate from college/university	* The program was one of only three museum programs recognized nationwide by the White House in 2001 for exemplary service to youth
	III. How Much Change	IV.Quality of Change
Effort/ Outcome	* 97% of the students who remain in the program through their high school graduation enroll in college compared to less than 50% for their peers	* Student satisfaction

FUNDING SOURCE(S)

Grant Funding: Yes

Funding Source: Federal

Matching Requirements: No Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$205,919	\$213,121	\$223,935	\$10,814
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$205,919	\$213,121	\$223,935	\$10,814
Expenditure Summary					
Salaries and Benefits	\$0	\$112,535	\$129,912	\$128,005	(\$1,907)
Services and Supplies	\$0	\$45,494	\$36,282	\$37,050	\$768
Contracted Service Providers	\$0	\$36,213	\$31,373	\$47,692	\$16,319
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$11,677	\$15,554	\$11,188	(\$4,366)
Total	\$0	\$205,919	\$213,121	\$223,935	\$10,814
Total Positions	0.00	14.00	13.00	14.00	1.00
Number of Children Served	0	89	91	95	4

New Program for FY 03-04

Dollars allocated fund only a portion of staff positions

CBO ACCESS

CBO Access to Funding Source: No

Funding Provided to CBOs No



YES! (YOUTH EXPERIENCING SUCCESS)

In collaboration with the City of Miami's Division of Park and Recreation and Riverdeep, an international educational software development company, the Museum provides a science and technology component for the City's afterschool programs. Museum staff help set up computer labs at each of the five participating park sites, and train park staff on the use of software to support reading and science activities. The Museum also trains and equips park staff to deliver hands-on science activities. In addition, the Museum provides Wildlife Demonstrations at participating sites, and also hosts a series of Family Days at the Museum for participating children and their families.

City of Miami			
TARGET POPULATION			
Gender:	Male and Female	Age:	Children (6-12)
Special Population:	Education/Training		
ELIGIBILITY			
Client Eligibility Requirements:	Children participating in the City of Miami'	s Aftersch	ool Program
Geographic Criteria:	City of Miami		
Economical/Financial Criteria:	N/A	Other:	N/A
COLLABORATIVE PARTN	IERS		
City of Miami and Riverdeep Soft	tware Company		

The program is designed to establish science and technology centers in five of the City of Miami parks.



	Quantity	Quality
	I. What We Do	II. How Well We Do It
	* Set up a computer lab at participating park sites	* The findings are not yet available
	* Provide lab maintenance and software training	
Effort/ Output	* Provide site-based support	
	III. How Much Change	IV.Quality of Change
	* The Museum's project will be evaluated by the City of Miami's Park and Recreation department	* The findings are not yet available
Effort/ Outcome		

FUNDING SOURCE(S)

Grant Funding: Yes

Funding Source: Children's Trust

Matching Requirements: No Required Match: N/A

Minimum Required Match: N/A



Revenue Summary	Actual FY 02-03	Actual FY 03-04	Budgeted FY 04-05	Budgeted FY 05-06	Changed from FY 04-05
Federal	\$0	\$0	\$0	\$0	\$0
State	\$0	\$0	\$0	\$0	\$0
County	\$0	\$0	\$0	\$0	\$0
Other: Children's Trust	\$0	\$0	\$52,133	\$73,122	\$20,989
Total	\$0	\$0	\$52,133	\$73,122	\$20,989
Expenditure Summary					
Salaries and Benefits	\$0	\$0	\$34,093	\$45,820	\$11,727
Services and Supplies	\$0	\$0	\$8,227	\$12,849	\$4,622
Contracted Service Providers	\$0	\$0	\$4,450	\$11,520	\$7,070
Capital	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$5,363	\$2,933	(\$2,430)
Total	\$0	\$0	\$52,133	\$73,122	\$20,989
Total Positions	0.00	0.00	5.00	6.00	1.00
Number of Children Served	0	0	750	775	25

New Program in FY 04-05

Dollars allocated fund only a portion of staff positions

CBO ACCESS

CBO Access to Funding Source: No

Funding Provided to CBOs No

Cross Reference: Please see The Children's Trust, Quality Out of School Program listing